

Message

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**From:** Strynar, Mark [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=5A9910D5B38E471497BD875FD329A20A-STRYNAR, MARK]  
**Sent:** 11/21/2016 8:57:47 PM  
**To:** Fenton, Suzanne (NIH/NIEHS) [E] [suzanne.fenton@nih.gov]  
**Subject:** RE: FYI: New NSF funded research on perfluoroalkyl substances in drinking water

FYI,

Call my cell or text Personal Phone / Ex. 6 tomorrow so I know when to expect you for sure.

Mark

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**From:** Fenton, Suzanne (NIH/NIEHS) [E] [mailto:suzanne.fenton@nih.gov]  
**Sent:** Monday, November 21, 2016 3:52 PM  
**To:** Strynar, Mark <Strynar.Mark@epa.gov>  
**Cc:** Lindstrom, Andrew <Lindstrom.Andrew@epa.gov>  
**Subject:** RE: FYI: New NSF funded research on perfluoroalkyl substances in drinking water

Perfect... thanks.

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**From:** Strynar, Mark [mailto:Strynar.Mark@epa.gov]  
**Sent:** Monday, November 21, 2016 3:50 PM  
**To:** Fenton, Suzanne (NIH/NIEHS) [E] <suzanne.fenton@nih.gov>  
**Cc:** Lindstrom, Andrew <Lindstrom.Andrew@epa.gov>  
**Subject:** RE: FYI: New NSF funded research on perfluoroalkyl substances in drinking water

My office is D285. Andy is D286. One of us will be there. The labs are directly behind our offices.

Mark

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**From:** Fenton, Suzanne (NIH/NIEHS) [E] [mailto:suzanne.fenton@nih.gov]  
**Sent:** Monday, November 21, 2016 3:47 PM  
**To:** Strynar, Mark <Strynar.Mark@epa.gov>  
**Cc:** Lindstrom, Andrew <Lindstrom.Andrew@epa.gov>  
**Subject:** RE: FYI: New NSF funded research on perfluoroalkyl substances in drinking water

OK, sounds good. We will figure it all out... please make sure to give us a list of MW and whatever you are calling them!!

Bringing the DMSO tomorrow.... Maybe around 11:15 AM?? Remind me of your lab # again, please.

Sue

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**From:** Strynar, Mark [mailto:Strynar.Mark@epa.gov]  
**Sent:** Monday, November 21, 2016 3:38 PM  
**To:** Fenton, Suzanne (NIH/NIEHS) [E] <suzanne.fenton@nih.gov>  
**Cc:** Lindstrom, Andrew <Lindstrom.Andrew@epa.gov>  
**Subject:** RE: FYI: New NSF funded research on perfluoroalkyl substances in drinking water

Glad it is getting some attention. FYI the chemical we called PFPrOPrA (red) in figure 1 is the GenX compound. It has human exposure relevance in particular in Wilmington, NC.

In the suite of chemicals we have they range from 214 to 714 amu. I can make them all up at 10,000 ng/uL in DMSO and you can dilute from there. Obviously they will be at different molar concentrations.

Bring the DMSO when you can. I will likely not get to this until after next Monday. Andy could be contacted if I am not here which is after tomorrow. I can get you the samples before December 7<sup>th</sup> for sure.

Mark

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**From:** Fenton, Suzanne (NIH/NIEHS) [E] [<mailto:suzanne.fenton@nih.gov>]  
**Sent:** Monday, November 21, 2016 3:21 PM  
**To:** Strynar, Mark <[Strynar.Mark@epa.gov](mailto:Strynar.Mark@epa.gov)>  
**Subject:** FW: FYI: New NSF funded research on perfluoroalkyl substances in drinking water

Pretty popular paper around here today!!! ☺

OK, as I am not sure of the MW of the PFCs, I am assuming that the 200 mM chart is the one to work from.... We have all of our dilutions and conditions worked out for that stock concentration in our current obesity studies. So, as long as you can do it, we would like to have 200 mM stocks (1-2 mL is enough for current work planned, as long as we could get additional doses later if they look really interesting). We have DMSO in stock and I could bring it to you tomorrow if that is OK with you. That is what we prefer so that we do not have to go through a series of tests to see the %EtOH affecting the viability of our two cell types.

The plan right now is to test the chems you mentioned 1) 5 + 2) 8 + 3) 7 = max total of 20 chems in a blinded fashion in both preadipocytes (look for developmental or commitment effects as well as fat production) and placental cells as these chems are linked to lowered birth weight in vivo. We hypothesize a link between placental signaling and in vivo outcomes. We will be looking for signaling changes and more physiological changes. We are hoping to get the list whittled down a bit so that we can take a couple to animal studies by next summer. We will use mouse models... any input is always welcome.. we want to keep you as involved as you can be.

Let me know if I can drop some DMSO by and if possible to get samples by Dec 7.

Sue

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**From:** Birnbaum, Linda (NIH/NIEHS) [E]  
**Sent:** Monday, November 21, 2016 2:29 PM  
**To:** Fenton, Suzanne (NIH/NIEHS) [E] <[suzanne.fenton@nih.gov](mailto:suzanne.fenton@nih.gov)>  
**Cc:** Evans, Sharon L (NIH/NIEHS) [E] <[EvansS@niehs.nih.gov](mailto:EvansS@niehs.nih.gov)>  
**Subject:** Fwd: FYI: New NSF funded research on perfluoroalkyl substances in drinking water

Linda S. Birnbaum, Ph.D., D.A.B.T., A.T.S  
Director, National Institute of Environmental Health Sciences

and National Toxicology Program  
phone: 919-541-3201  
fax: 919-541-2260  
e-mail: birnbaum1s@niehs.nih.gov

Begin forwarded message:

**From:** "Miller, Aubrey (NIH/NIEHS) [E]" <miller.aubrey@nih.gov>  
**Date:** November 21, 2016 at 2:26:08 PM EST  
**To:** "Weis, Christopher (NIH/NIEHS) [E]" <christopher.weis@nih.gov>, "Birnbaum, Linda (NIH/NIEHS) [E]" <birnbaum1s@niehs.nih.gov>, "Masten, Scott (NIH/NIEHS) [E]" <masten@niehs.nih.gov>, "Wolfe, Mary (NIH/NIEHS) [E]" <wolfe@niehs.nih.gov>, "Fenton, Suzanne (NIH/NIEHS) [E]" <suzanne.fenton@nih.gov>, "Bullock, Jed (NIH/NIEHS) [E]" <jed.bullock@nih.gov>, "Decker, John A. (CDC/ONDIEH/NCEH)" <jad4@CDC.GOV>, "Cibulas, William (ATSDR/OA/OD)" <wic1@CDC.GOV>, "Bucher, John (NIH/NIEHS) [E]" <bucher@niehs.nih.gov>  
**Subject:** **FYI: New NSF funded research on perfluoroalkyl substances in drinking water**

New NSF funded research on perfluoroalkyl substances in drinking water

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**From:** "Cooper, William J." <WJCOOPER@nsf.gov>  
**Date:** Monday, November 21, 2016 1:56 PM

Hi All,

Some 'hot of the press' results on perfluorinated compounds – see attached.

Bill

William J. Cooper  
Program Director  
Environmental Engineering Program (Room 565.49)  
Division of Chemical, Bioengineering, Environmental, and Transport Systems  
National Science Foundation  
4201 Wilson Boulevard  
Arlington, VA 22230  
T 703-292-5356

**Personal Phone / Ex. 6**

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**F**